

Multi-Role Radar System (MRRS)

Description

The MRRS is a highly mobile radar system to be employed by the Marine Air Control Squadron in all phases of Marine Corps operations. The system will be transportable to operational configuration by four Marines in thirty minutes, and will serve as an ancillary radar providing three-dimensional coverage of those areas out of view of the AN/TPS-59(V)3 due to terrain masking or other line-of-sight limitations. Additionally, the MRRS will be capable of providing radar cueing data of all Short Range Air Defense (SHORAD) units deployed in support of the Marine Air-Ground Task Force (MAGTF). The MRRS is intended to replace the AN/TPS-63 radar, the AN/TPS-73 Air Traffic Control (ATC) radar and the AN/MPQ-62 surveillance radar, and will be able to perform all of the missions currently associated with these existing systems. The MRRS will have connectivity to the Cooperative Engagement Capability (CEC) network. The MRRS will be deployed early during Operational Maneuver From the Sea (OMFTS) to augment seabased air defense sensors and command and control capabilities.

Operational Impact

The radar will provide the speed and flexibility required for enhanced low level Air Breathing Target (ABT) detection, identification, and tracking in the execution of OMFTS, sustained operations and other expeditionary operations. Execution and support of these strategies requires maneuver and control aircraft, cruise missiles, and unmanned air vehicle assets from ships well over-the-horizon to objectives at much greater distances than historically required. In addition, the radar will be capable of cueing and reporting on targets detected within its coverage limits to designated air command and control agencies. The reduced logistical footprint of the radar will enhance the capabilities of MACCS elements in support of all phases of MAGTF operations. Once ashore, the radar will possess the mobility required to keep pace with supported maneuver elements, and will compliment the Marine Corps' long-range radar, the AN/TPS-59 (V)3 by providing accurate low level ABT tracks.

Program Status

The MRRS received a favorable FY00 Milestone 0 acquisition decision and is proceeding with concept exploration activities.

Procurement Profile: FY01 FY02

Quantity:	0	0
-----------	---	---

Developer/Manufacturer

TBD